

## ABSTRACT OF THE DISCLOSURE

A projection optical system having a plurality of reflecting surfaces is disclosed in which a sufficiently large angle is provided between an incident side reference axis and an emerging side reference axis while tilt angles of the respective reflecting surfaces can remain small. The projection optical system projects luminous flux from an image forming element which forms an original image onto a projection surface. The incident side reference axis and the emerging side reference axis of the projection optical system are oblique to each other. The projection optical system has a plurality of reflecting surfaces each having a curvature. The reflecting surfaces are arranged such that the reference axis has at least one intersection in the projection optical system.